

# OptiSnap® Connector, SC

Single-mode (OS2) UPC

CORNING

With proven field-installable connector technology, fibre terminations using the OptiSnap® connector system are fast, easy and reliable. Corning high-precision mechanical splice technology enables fibre optic networks to be installed quickly and cost effectively.

The Corning go/no-go feedback signal allows the installer to verify that the installation is performed right the first time, every time. Insert the fibre, activate the cam and watch the pass/fail light illuminate, instilling confidence in every connector installed.

The factory-polished ceramic ferrule provides superior quality for end-face geometry. The single-mode OptiSnap® Connector is available in an ultra physical contact (UPC) polish or an angled physical contact (APC) polish (SC only), offering you a higher grade of performance for your field terminations. With fast installation time and low insertion loss, the OptiSnap Connector system provides a good alternative to fusion splicing. Installation is as easy as strip, clean, cleave, cam and crimp.



Part Number: OSNP-SCU-250

## Features and Benefits

### No-epoxy/no-polish or other consumables required

Quick and easy installation, less than one minute per connector on average

### 100 percent factory tested for insertion loss

Typical insertion loss of 0.2 dB for UPC and 0.4 dB for APC connectors

### Factory-polished end face

Low insertion loss and high-performance return loss

### Reliable, proven mechanical splice technology

Over 40 million connectors deployed in various applications

### No need for electrical power for ovens or lights

Reduces complexity

## Standards

### Intermateability

Connectors are FOCIS compliant with TIA/EIA 604-3 (SC), FOCIS 10 (LC)

### Approval and Listings

Passed EIA/TIA 568-B.3

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## Specifications

### General Specifications

Technology	No-Epoxy/No-Polish
Keyed	No
Product Type	Field-Installable Connectors
Packaging	Single Pack
Fibre Category	Single-mode (OS2)

### Temperature Range

Operation	0 °C to 60 °C (32 °F to 140 °F)
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### Design - Connector

Connector Type	SC
Ferrule Material	Ceramic
Polish	UPC
Housing Material	Composite
Housing Colour	Blue
Boot Colour	Blue

### Mechanical Specifications - Connector

Durability	< 0.2 dB change by 500 rematings, FOTP-21
Tensile strength jacketed cable	49.5 N, change ≤ 0.2 dB (11.24 lb, change ≤ 0.2 dB)
Tensile strength 900 µm cable	4.8 N, change ≤ 0.2 dB (1.1 lb, change ≤ 0.2 dB)
Temperature cycling	≤ 0.3 dB
Nominal fibre outer diameter	125 µm
Cable Compatibility	250 µm

### Optical Specifications - Connector

Insertion Loss, Typical	0.2 dB
Insertion Loss, Maximum	0.5 dB
Reflectance, -40°C to +75°C	≥ -32 dB (FBC-009, for 250 µm)
Reflectance (angled cleave), -40°C to +75°C	≥ -40 dB (FBC-014, for 250 µm)

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Chemical characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

## Ordering Information

Part Number	OSNP-SCU-250
Product Description	OptiSnap® Connector, 250 µm direct termination, SC, single-mode (OS2), ceramic ferrule, single pack, blue housing, blue boot, only compatible with 250 µm cable

## Shipping Information

Units per Delivery	1/1
Package Contents	Connector, shroud, boot (900 µm), furcation tube

